

iPAD

OUR
NEW MODEL
FROM THE
iPAD
FAMILY

CU-SPR

Defibrillator

A **NEW**, next generation iPAD
AED from the iconic iPAD range.



The CU-SPR Defibrillator

NEW

iPAD

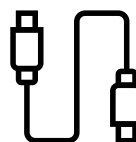
CU-SPR
Defibrillator

Status LCD screen for quick monitoring

CPR
metronome
& voice
guidance



Adult / Paediatric
mode quick
change button



NEW
USB DATA
TRANSFER

Records up
to 5 events
up to 3hrs
per event

Advanced and intuitive public access AED.

- Highest IP66 rating AED – **highly water resistant** in rugged and water hazardous environments
- **NEW** USB data transfer – includes real time log event and ECG Trace. Records up to 5 events up to 3hrs per event



SUITABLE FOR
RUGGED &
WATER
HAZARDOUS
ENVIRONMENTS

This package includes a **set of dual pads** with a **4 year battery warranty** (up to 5 years life expectancy on standby) and **10 year warranty** upon registration.

PLUS a High Visibility Carry Case.



KEY FEATURES

CONVENIENCE

- Device and consumables status LCD screen for quick monitoring
- CPR metronome, voice guidance, and graphic instructions
- Adult / Paediatric mode quick change button
- Data transfer by USB

SAFETY

- Automatic internal discharge
- Daily / weekly / monthly self-test
- Shock resistant carrying case
- Highly water resistant casing IP66 / IP68 (Option)

TECHNOLOGY

- Semi- automated e-cube biphasic defibrillation
- Combined Adult / Paediatric pads
- Automatic background noise analysis and device volume adjustment
- CPR step detection indicator for more effective CPR

IPAD CU-SPR SPECIFICATIONS

Physical

Dimensions	240mm x 230mm x 70mm (Width x Length x Height)
Weight	2kg (Including the battery pack and pads)

Environmental

Operating Conditions	Temperature: 0 °C ~ 50 °C (32 °F ~ 122 °F) Humidity: 5% ~ 95% (non condensing)
Storage Conditions	Temperature: 0 °C ~ 50 °C (32 °F ~ 122 °F) Humidity: 5% ~ 95% (non condensing)
Transport Conditions	Temperature: -20 °C ~ 60 °C (-4 °F ~ 140 °F) Humidity: 5% ~ 95% (non condensing)
Altitude	0 to 4,572 m (0 to 15,000 ft.) – operational and storage
Drop	Withstands 0.75 meter drop to any edge, corner, or surface Operating: Meets MIL-STD-810G Fig.514.6E-1 Standby: Meets MIL-STD-810G Fig.514.6E-2
Vibration	IEC 60529:2013 IP66
Sealing (Regular)	IEC 60529:2013 IP68
Sealing (Optional)	Meets IEC 61000-4-2:2008
ESD	Meets IEC 60601-1-2 limits, method EN
EMI (Radiated)	55011:2016+A1:2017, Group 1, Class B Meets IEC 60601-1-2 limits, method EN 61000-4-3:2006 +A2:2010 Level 3 (10V/m 80MHz to 2.5GHz)
EMI (Immunity)	

Defibrillator

Operating Mode	Semi-automated
Waveform	E-cube biphasic (Truncated exponential type)
Output Energy	150J at 50 Ω load for adults 50J at 50 Ω load for children
Charge Control	Controlled by an automated patient analysis system
Charging Time	Within 3 seconds from when the voice instruction, "An electric shock is needed" is issued.
Time from Initiation of Rhythm Analysis	10 seconds with a new battery (even after the delivery of 15 discharges at 150J) 12 seconds with a new battery (even after the delivery of 15 discharges at 200J)
Time from CPR to Shock	At least 6 seconds from the completion of CPR to shock delivery
Disarm	Patient's heart rhythm changes to non-shockable rhythm The SHOCK button is not pressed within 15 seconds

ECG Acquisition

Acquired ECGLead	Lead II
Frequency Response	1 Hz to 30 Hz

ECG Analysis System

Impedance Range	25Ω to 175Ω
Shockable Rhythms	Ventricular Fibrillation or Fast Ventricular Tachycardia
Sensitivity and Specificity	Meets ANSI/AAMI DF80 guidelines

Controls, Indicators, and Prompts

Controls	Power Button Shock Button Adult/Paediatric Selection Button Displays device status, battery level and pads status
Status LCD	Displays device status, battery level and pads status
Status LED	Do-Not-Touch-Patient
Indicators	Pads Patch Position Indicators Pads Connector Status Indicator Status LED Indicator CPR Detection Indicator Shock Button Blue i-Button Provides voice prompts
Speaker	80dB ~ 90dB (±3dB), apart 1m above speaker
Sound Level	Provides various audible indications
Beeper	Shown on the Status LCD
Battery Level	Flashing red i-Button
Low Battery Indicator	

Self-Test

Automatic	Power On Self-Test, Run-time Self-Test Daily, Weekly, and Monthly Self-Test
Manual	Battery Pack Insertion Test

Battery Pack

Battery Type	12V DC, 4.2Ah LiMnO2, Disposable
Capacity	At least 200 shocks (150J) or 8 hours of operating time
Standby Life	At least 5 years from the date of manufacture
Temperature Ranges	Operating Temperature: 0 °C ~ 50 °C (32 °F ~ 122 °F) Storage Temperature: -20 °C ~ 60 °C (-4 °F ~ 140 °F)

Adult / Pediatric Defibrillation Pads

Surface Area	85cm² 120cm Minimum shelf-
Cable Length	life of 24 months
Shelf life	

Data Storage and Transfer

USB	External memory. Data may be copied from the internal memory to the USB.
File System	FAT 3 2
Internal Memory Data Capacity	5 individual treatments, up to 3 hours per treatment